

A network for a Public Safety

FIRSTNET



Washington OneNet (WON)

Office of the Chief Information Officer

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WHAT IS FIRSTNET?

The National Public Safety Broadband Network (NPSBN), or the FirstNet Network, was created as part of the Middle Class Tax Relief and Job Creation Act of 2012. The Act tasks the First Responder Network Authority (FirstNet) with the duty to build, operate, and maintain a nationwide interoperable wireless broadband platform for public safety cellular and data communications. When **Network** launches, it will provide mission-critical, high-speed data services. **FirstNet** maybe used to send video, images, and text. The network will carry location information and support streaming video. **FirstNet** plans to offer cellular voice communications such as Voice over Long Term Evolution (VoLTE) or other alternatives.

The Act designated the FirstNet Authority as an independent authority within the U.S. Department of Commerce's National

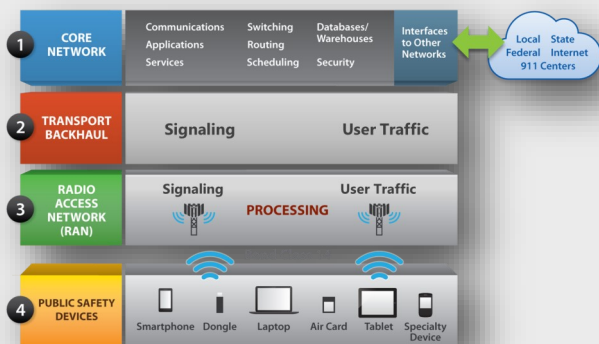
Telecommunications and Information Administration (NTIA). **FirstNet** is governed by a 15-member board. Board members include: the U.S. Attorney General, the Secretary of Homeland Security, the Director of the Office of Management and Budget, and 12 members appointed by the Secretary of Commerce. The **FirstNet** Board is composed of representatives from public safety; local, state and federal government; and industry.

FirstNet will work in consultation with each state and territory to design a plan that meets public safety's needs and is reflective of the specific geographic, political, and cultural uniqueness of each state and territory.

In order to accomplish this broad reaching goal, each of the 55 participating states and territories have identified a single State Point of Contact (SPOC). The SPOC will coordinate the outreach to entities that have a roll in public safety entities, state, local, and tribal governments, and elected officials. The SPOC will also coordinate the collection of data that will help FirstNet build a comprehensive and unique plan. In Washington State our SPOC is Bill Schrier. The Washington Under the direction of Mr. Schrier and the Washington OneNet program was created to work in consultation with public safety in Washington State and with FirstNet. The State Interoperability Executive Committee (SIEC), which is chaired by Mr. Schrier is the governing body for the Washginton OneNet program. OneNet is housed within the Washington Technology Solutions for the Office of the Chief Information Officer



To develop a unique plan and implementation strategy that takes into account the geographic, cultural, and political uniqueness of each state and territory, **FirstNet** will provide ongoing consultation with the States. Washington kicked off its initial consultation with **FirstNet** on October 16, 2014. Approximately 200 leaders from Washington’s public safety community and other interested parties attended the consultation event.



WHY BUILD ANOTHER NETWORK?

Whether it is a terrorist attack, natural disaster or every day event, interoperable communications during an event are almost always in the top 5 challenges facing responders. The goal of **FirstNet** is a nationwide, robust, secure, prioritized, and interoperable data network dedicated to public safety.

Priority: In Washington, we’ve experienced a number of high-profile events: the Nisqually earthquake, the Skagit River Bridge Collapse, wildfires, SR530 slide, and school shootings.

Imagine what would happen if everyone in Washington State was issued police and fire radios during a disaster? Chaos would ensue! Today the data networks that responders increasingly rely on for their work are shared with the public. There is no priority access for emergencies or public safety responders. When the network is overloaded for the public, it is overloaded for responders.

Coverage: How many times a day are calls dropped? How many areas have no or limited coverage? Life threatening emergencies occur in those areas. What are the impacts to public safety?

To address coverage concerns, some public safety entities must purchase multiple

network cards or devices because only one carrier will work well in a designated area. What savings could be realized using one carrier instead of many?

Public Safety Grade: FirstNet will be built to a higher standard to improve data interoperability during major events. Recommendations for a definition of public safety grade can be found at: <http://www.npstc.org>

Interoperability: During a disaster, many agencies and organizations come together to provide rescue, recovery, and restoration services. During large scale emergencies, like

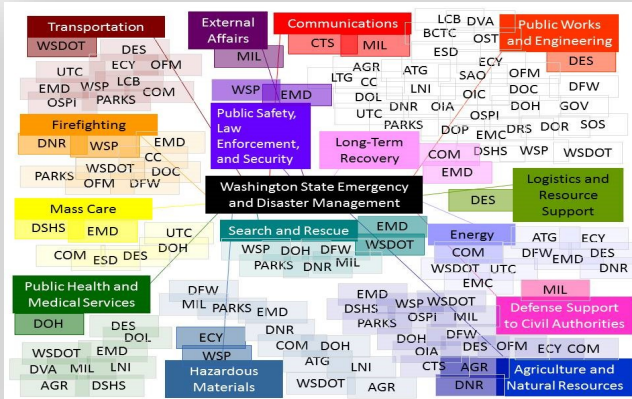


Diagram of Disaster Response Organizations

the SR530 landslide, responders will come from other states. Using FirstNet will allow those entities arriving on scene to immediately exchange data information and communicate via text messages and cellular voice with no interruption or competition for service.

FirstNet intends to provide coverage solutions that let public safety “*take the network along*” to destinations in difficult geographies.

FirstNet will create a nationwide standard of service while affording customization and control.

WHAT FIRSTNET IS & IS NOT!

FirstNet is a DATA network with cellular voice capabilities.

It is not a replacement for Land Mobile Radio (LMR) and will not initially have the capability of one-to-many communication.

Use of FirstNet by the public safety community is voluntary. Each potential user organization will need to make its own business case for using the network.

WHO CAN / SHOULD USE THE NETWORK?

FirstNet will be available to public safety users; firefighters, emergency medical services, and law enforcement. Other potential users include general government and tribal government and public safety agencies, public and private utilities, public health, social workers, transit, transportation, and many others. Under certain circumstances, FirstNet spectrum may be available for use by businesses, consumers, and nonprofits.

WHAT WILL USERS PAY FOR FIRSTNET SERVICES?

FirstNet has stated it will offer services at a compelling and competitive cost to attract millions of public safety users.

FirstNet will be self-sustaining. The use of FirstNet services and applications will be voluntary. The exact cost

for FirstNet services and devices have not yet been determined.



WHAT IS WASHINGTON STATE'S ROLE?

The Washington OneNet (WON) program, was created in September 2013 and exists solely to develop a comprehensive design for FirstNet in Washington State. The program is under the co-direction of the Office of the Chief Information Officer and State Interoperability Executive Committee (SIEC). The SIEC Chair, Bill Schrier serves as the program lead and the FirstNet State Point of Contact (SPOC). Branding the program as OneNet is recognition that **data communication interoperability** for Washington's public safety community is our priority.

The WON program is funded by \$2.6 million Federal, State, and Local Implementation Grant (SLIGP) funds. The FirstNet law established the SLIGP to assist states with the outreach and data collection activities required to develop a network design.

The SLIGP divides funded work into two phases: Phase 1 activities are currently underway. Phase 2 activities will begin sometime on 2015 when permitted by the SLIGP.

Phase 1 Outreach, education, and governance effort to find and engage all potential stakeholders, users, and agencies and to identify their concerns and needs; political and cultural challenges; and potential network users, current costs and the kinds of devices and application in use today.

Phase 2 A data collection effort, to identify individual users, agencies, and assets that can be leveraged in building the network. Assets include facilities, fiber networks, radio towers, and more.

To assist with the design effort, WON has formed three committees to address important components for the work:

Stakeholder Committee — As user/agency subject matter experts, the stakeholder committee engages state, local and tribal officials and leaders in public safety and provides input on public policy; regulatory impediments; and political, cultural, and economic opportunities and barriers. This group will help define and identify potential users and establish network prioritization.

Technical Committee — serves as the state’s subject matter experts to advise and assist with designing a statewide network, including coverage mapping and identification of existing infrastructure.

Operational Committee — subject matter experts on incident scene management and operation. The operational committee explores and makes recommendations regarding



network

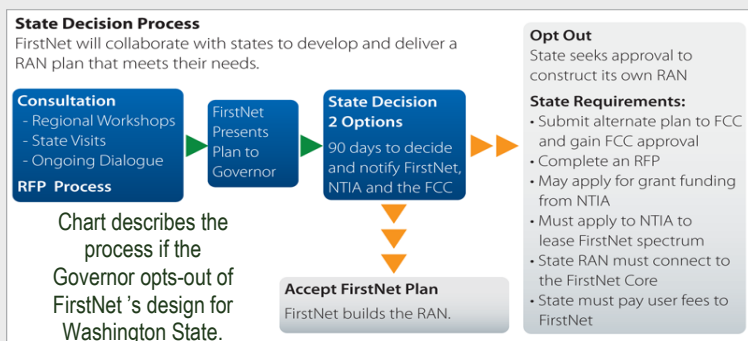
management/prioritization during critical incidents and normal use; availability and use

THE FIRSTNET CONSULTATION PROCESS

WON will facilitate all phases of the consultation process in the state of Washington. The consultation process was launched on October 16, 2014 and will continue until the State Plan (design) for Washington is complete.

FirstNet will work with the WON and our stakeholders and technical experts to gather information necessary for the development of a network design and deployment plan. FirstNet promises that the consultation process shall be:

- **active, not a single event.** FirstNet will collaborate and partner with stakeholders in a meaningful consultation process.
- **clearly communicated.** It will be clear to the stakeholders what the process is and what the expectations are for those involved.
- **focused only on critical information and data.** FirstNet will focus on gathering only data necessary to help design and build the network.
- **interactive.** Stakeholders and FirstNet will have the opportunity to refine information and improve drafts.



FIRSTNET DESIGN & BUILD OUT

FirstNet will present the design that was prepared in consultation with the SIEC, the SPOC, and its stakeholder, technical and operational committees to the Governor. WON will provide input to the Governor on the merits of the FirstNet design.

The law requires Governors to opt-in or opt-out of the network design for their states. Opting-in means the Governor is satisfied with the design presented by FirstNet, is comfortable that all public safety stakeholders have had a voice in the process, and will allow FirstNet to proceed with the network build out in the state. Cost for network construction in the state will be assumed by FirstNet.

WASHINGTON ONE.NET STAFF



Bill Schrier is Senior Policy Advisor in the Washington Office of the Chief Information Officer (OCIO) . In this capacity he chairs the State Interoperability Executive Committee (SIEC), serves as the State point of Contact for the FirstNet effort in the State, and evangelizes open government through efforts like data.wa.gov.

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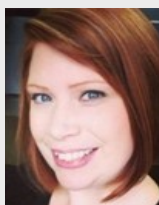
Michael Marusich is a Senior Program Manager in the OCIO and serves as the OneNet technical advisor. He also serves as the State of Washington's 800 MHz Rebanding Project Manager and staff to the State Interoperability Executive Committee (SIEC). Marusich chairs the SIEC Advisory Workgroup (SAW) and serves as the State's alternate Statewide Interoperability Coordinator (SWIC).

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Shelley Westall, is the Outreach Manager for the Washington OneNet (WON) initiative. Ms. Westall joined OneNet in December 2013. In addition to program administration and stakeholder outreach, she brings marketing, graphic and web design skills, as well as the ability to work closely with stakeholders, constituents, legislators and state, local and tribal agencies.

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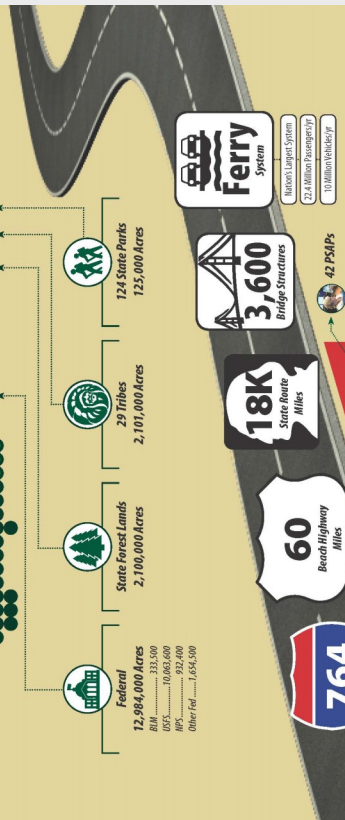
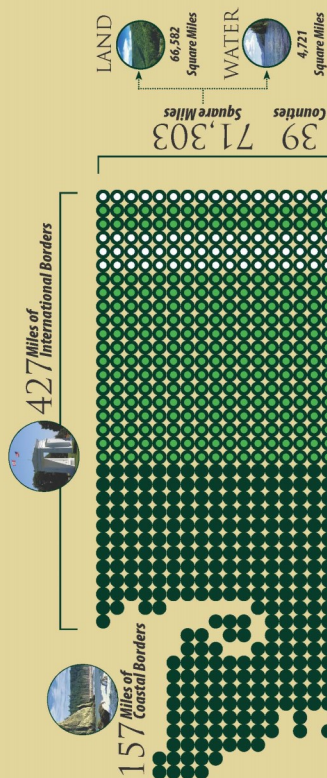


Katrina Osborn, is the Program Assistant for the Washington OneNet (WON) initiative.

Ms. Osborn joins the WON team after four years as the Constituent Services Manager for Congressman Rick Larsen. Katrina worked closely with Federal agencies including the Department of Homeland Security, Veterans Affairs, and Social Security to provide assistance for the constituents of Washington's 2nd District.

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WASHINGTON BY THE NUMBERS



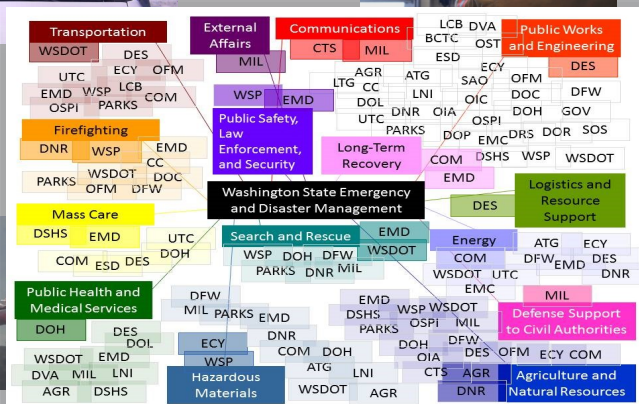
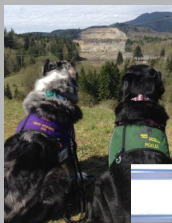


Diagram of Disaster Response Organizations

